



ABSTRACT

A method and system for soft handoff of a mobile terminal in a wireless CDMA IP network utilizes IP multicasting to a plurality of multicast participants that reside at the mobile terminal. A soft handoff multicast protocol is used to assign a unique IP multicasting address to the mobile terminal and establish a plurality of multicast participants that reside at the mobile terminal, thereby creating corresponding multicast network connections between the IP network and the mobile terminal. The IP network simultaneously transmits information to the mobile terminal via the multicast network connections by broadcasting the information as a multicast message to the mobile terminal's multicast group. The multicast extends between a mobile terminal and a plurality of base station associated with the network to simultaneously communicate information over separate communication channels.

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